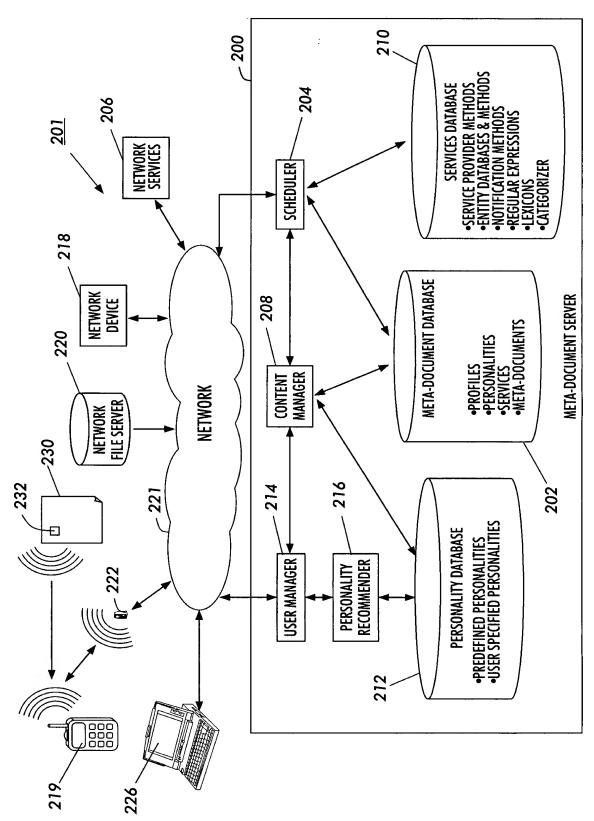


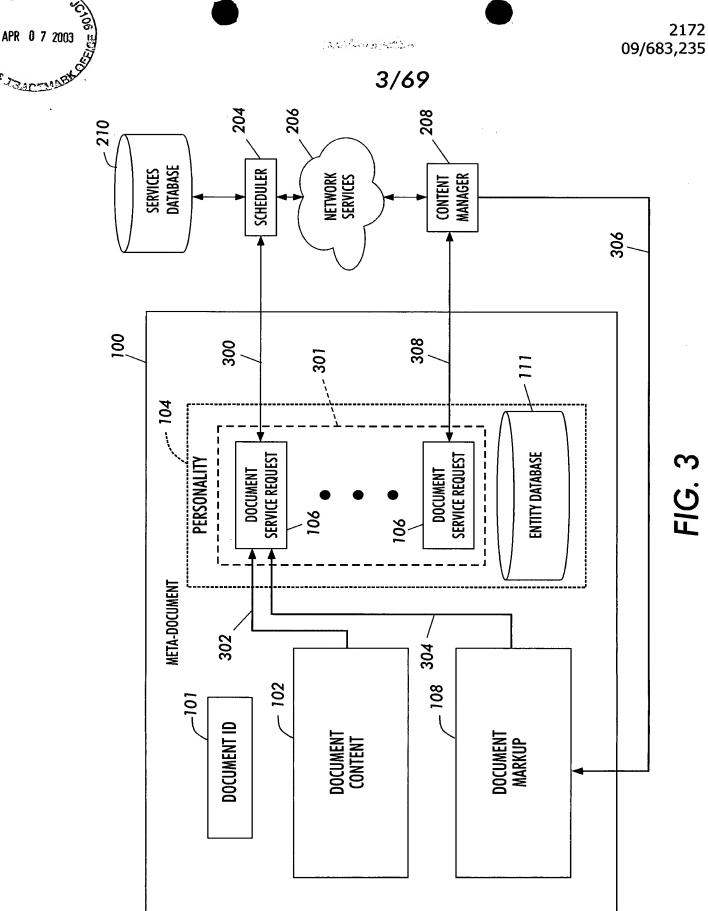
FIG. 1

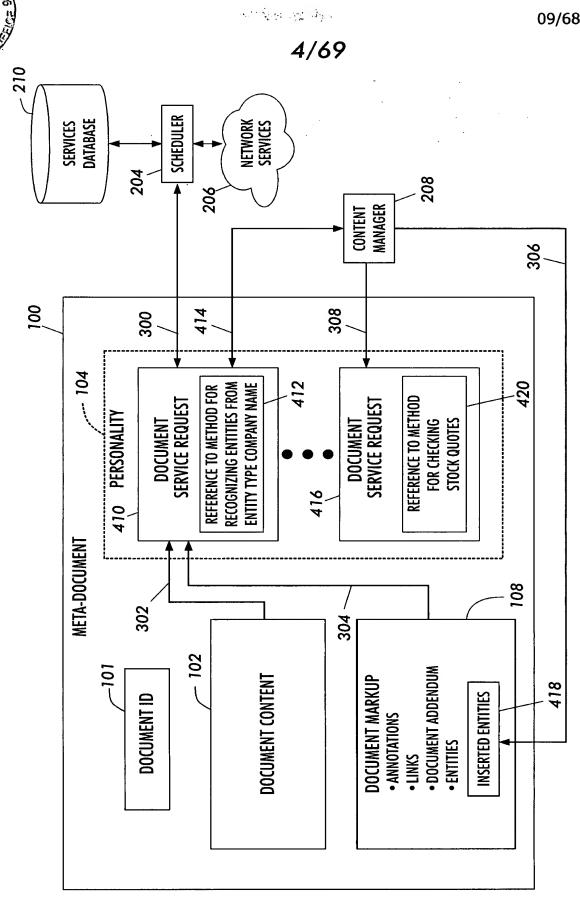




15- 1 L

FIG. 2



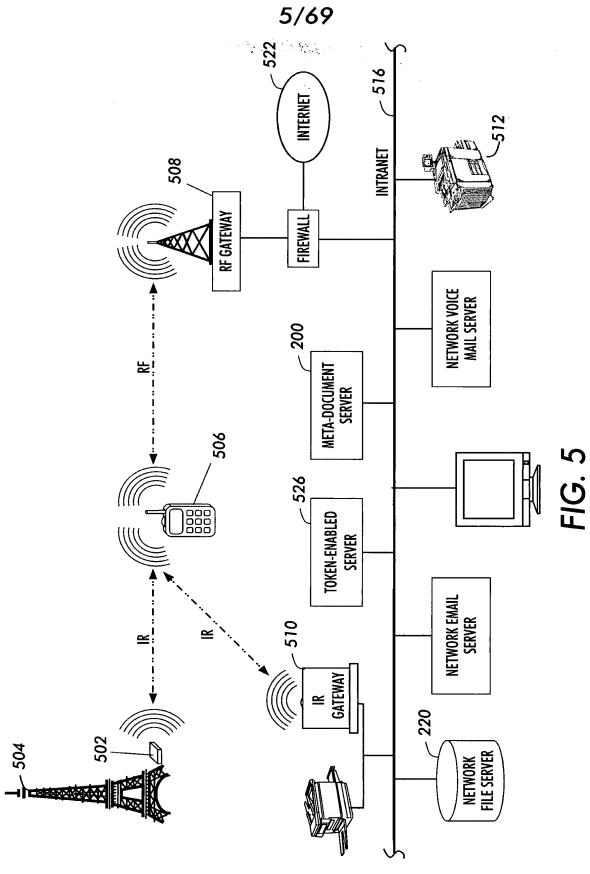


OIPE

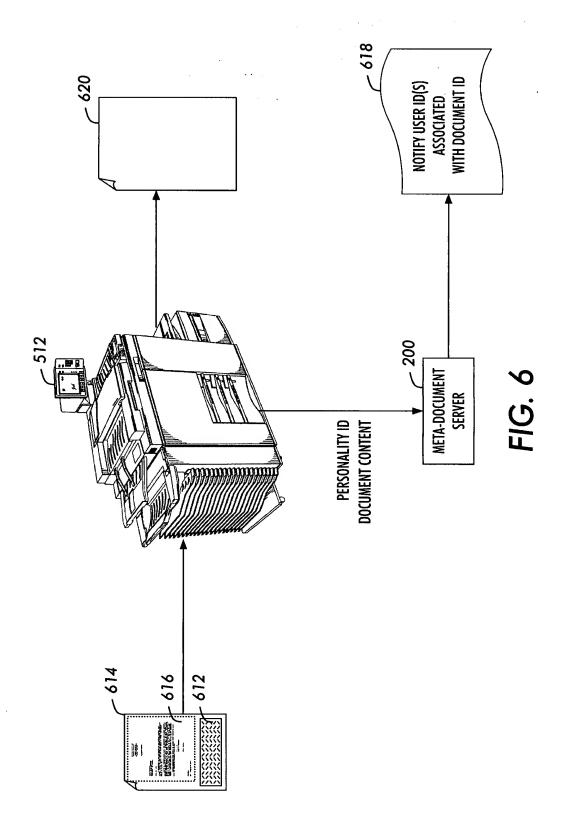
APR 0 7 2003

FIG. 4



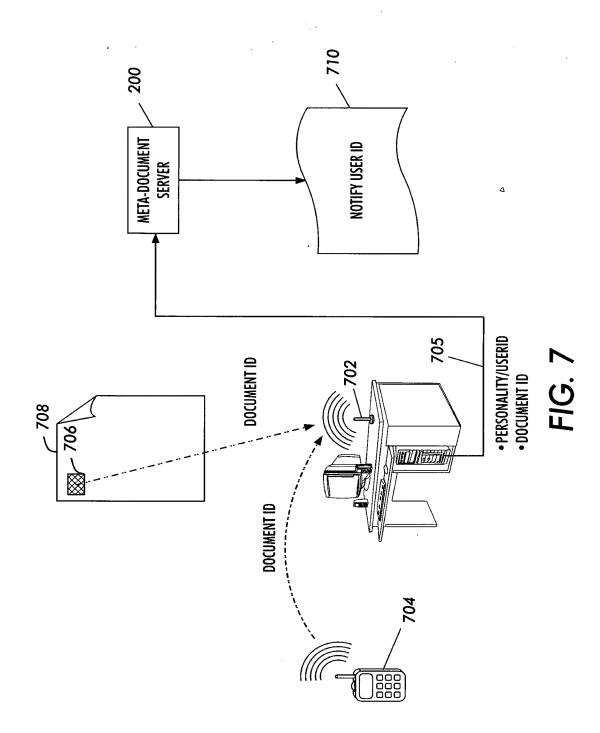








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PRINTER <u>N</u> AME:	PROPERTIES
STATUS: IDLE TYPE: XEROX 4517 POSTSCRIPT LEVEL 2 WHERE TIMES.GRENOBLE.XRCE.XEROX.CO COMMENT: XEROX N2125 B&W DUPLEX - LE	OM:PASSTHRU PRINT TO FILE
PAGE RANGE	COPIES NUMBER OF COPIES: COLLATE
ENTER PAGE NUMBERS AND/OR PAGE RANGES SEPERATED BY COMMAS. FOR EXAMPLE 1,3,5-12	806
ENRICHMENT	SELECT A PERSONALITY FOR ME
APPLY ENRICHMENT TO: ALL CURRENT PAGE PAGES:	INSERT ENRICHMENT AS: • LINKS • CONTENT OPTIONS
808 PRINT WHAT: DOCUMENT ▼ PRINT: ALL PAGES IN RANGE ▼	
OPTIONS	OK CANCEL

FIG. 8



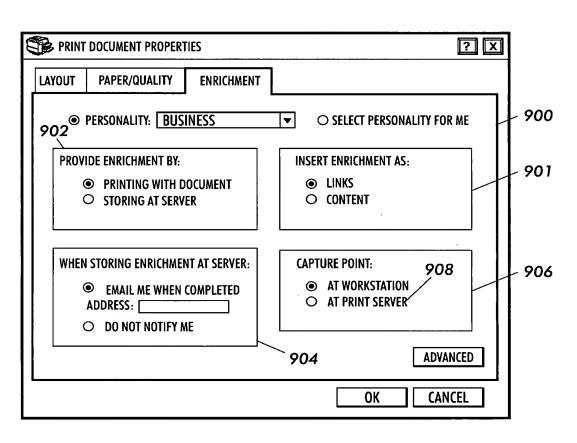
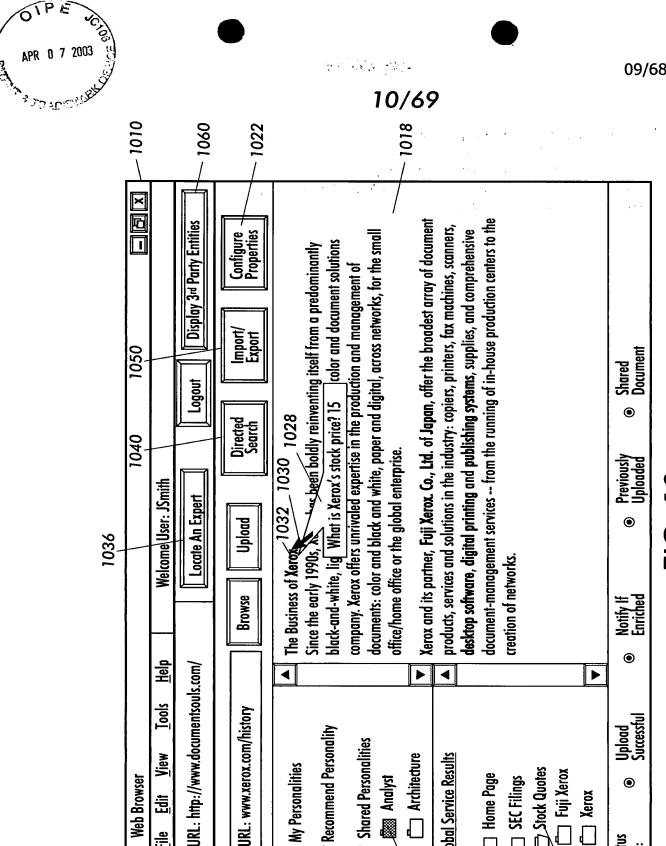


FIG. 9



<u>등</u>

View

豆

Web Browser

URL: www.xerox.com/history

1012

(Recommend Personality

My Personalities

| Shared Personalities

1014

Analyst Analyst

Architecture

1016

Global Service Results

Home Page

Stock Quotes Tyji Xerox

☐ Xerox

T SEC Filings

1020

Upload Successful

•



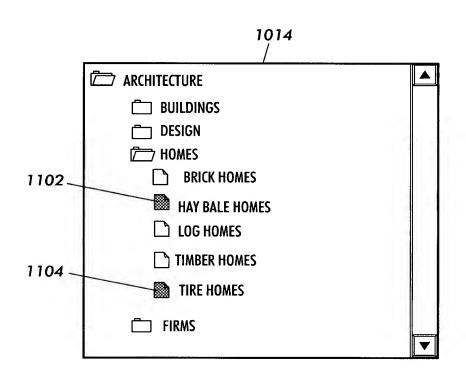


FIG. 11

وبالمتري فعلاويهل المهاجو أنباه أيري



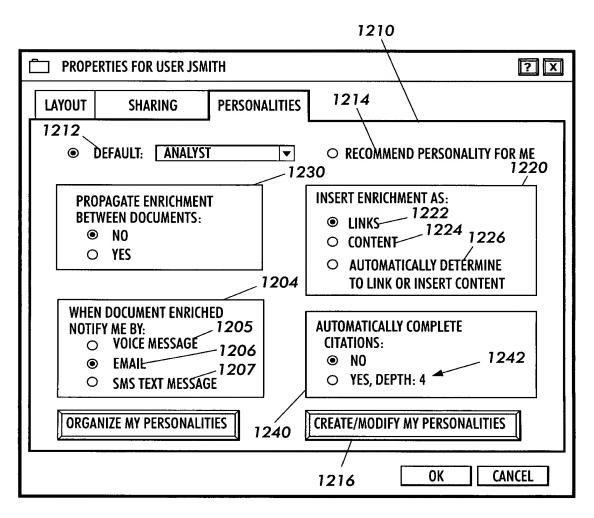


FIG. 12

13/69

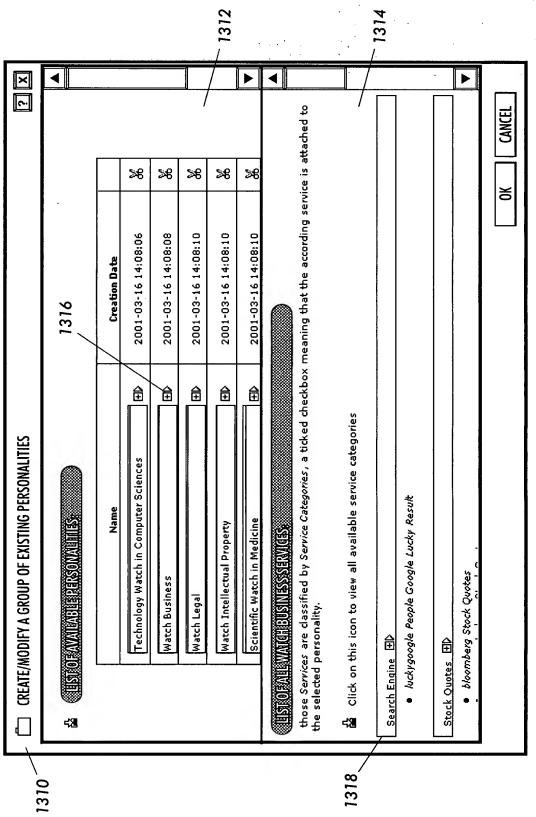
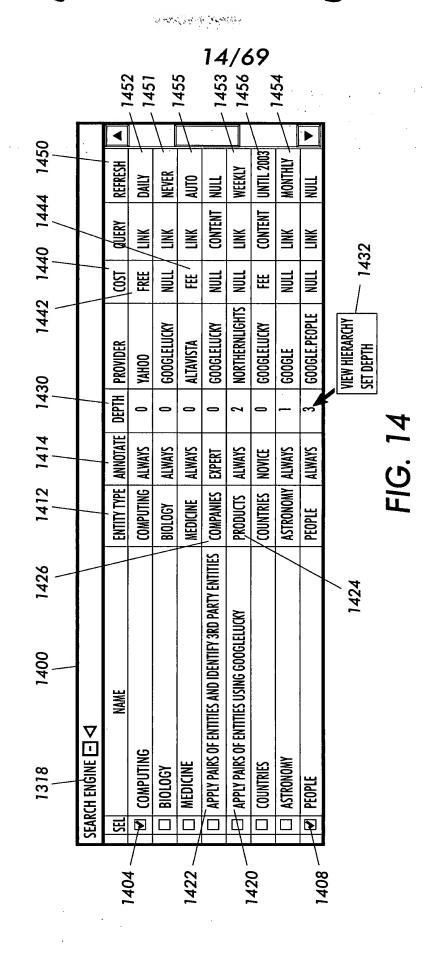


FIG. 13







	1502 /
☐ CRE	ATE/MODIFY MY PERSONALITIES
NA	ME: BROWSE 1504
•	CREATE/MODIFY A GROUP OF EXISTING PERSONALITIES 1506
0	USE SELECTED DOCUMENTS AND/OR FOLDERS TO CREATE A NEW PERSONALITY BROWSE 1509 1508
0	USE SELECTED FILE/WEBSITE TO CREATE A NEW PERSONALITY BROWSE 1510
0	CREATE QUESTION FORM USING PERSONALITY LEXICONS QUESTION: 1520
	KNOWLEDGE © NOVICE LEVEL: O EXPERT 1512 OK CANCEL

FIG. 15



	1600	
CREATE/MODI	FY A GROUP OF EXISTING PERSONALIT	TIES ? X
NAME: TEC	HNOLOGY WATCH IN ORGANIC CHEMIS	TRY
	PERATION: MERGE 1602 SUBTRACT 1604 RSONALITY A WITH/FROM	
PE	RSONALITY B ▼	
		OK CANCEL

FIG. 16



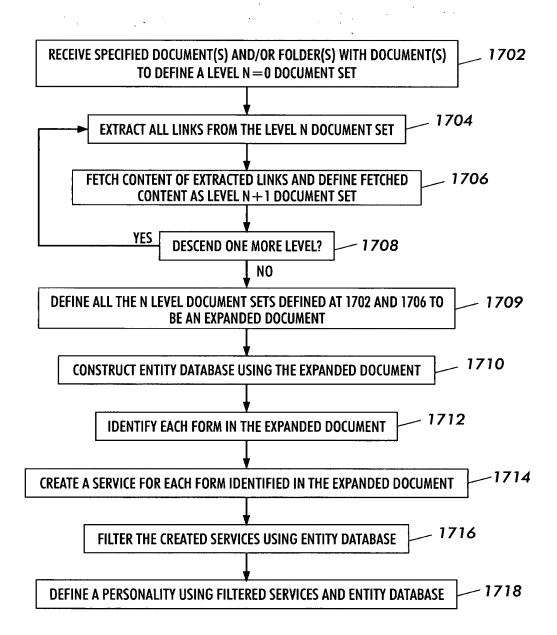
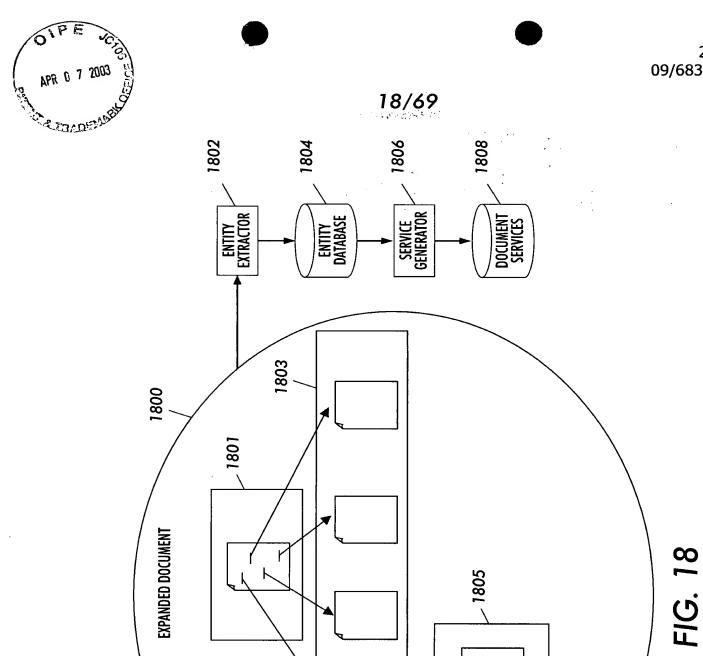


FIG. 17





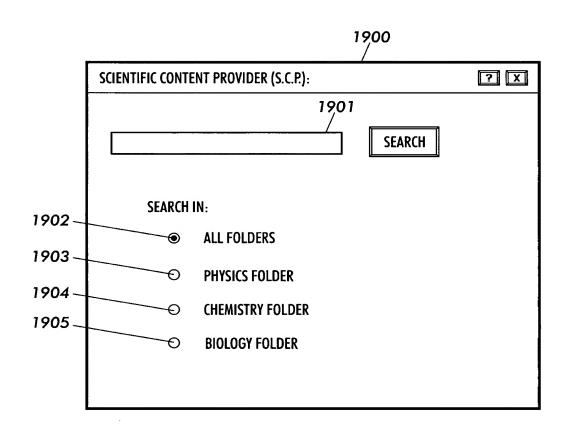


FIG. 19



J	CIENTIFIC SEARCH 🖃 ⊲								
SE	NAME	ENTITY TYPE ANNOTATE DEPTH	ANNOTATE	DEPTH	PROVIDER	LOST	QUERY	REFRESH	▼
>	☑ ALL FOLDERS RESULT OF SCIENTIFIC CONTENT PROVIDER STANDARD ALWAYS	STANDARD	ALWAYS	0	S.C.P.	FREE	CONTENT	NULL .	'
	☐ PHYSICS RESULT OF SCIENTIFIC CONTENT PROVIDER	PHYSICS	ALWAYS	0	S.C.P.	FREE	CONTENT	NOLL	
	CHEMISTRY RESULT OF SCIENTIFIC CONTENT PROVIDER	CHEMISTRY ALWAYS	ALWAYS	0	S.C.P.	FREE	CONTENT	NULL	
	☐ BIOLOGY RESULT OF SCIENTIFIC CONTENT PROVIDER	KOOTOIB	ALWAYS	0	S.C.P.	FREE	CONTENT NULL	NULL	
	/	/ /							
		2 004							
		Ī		9					٠

FIG.



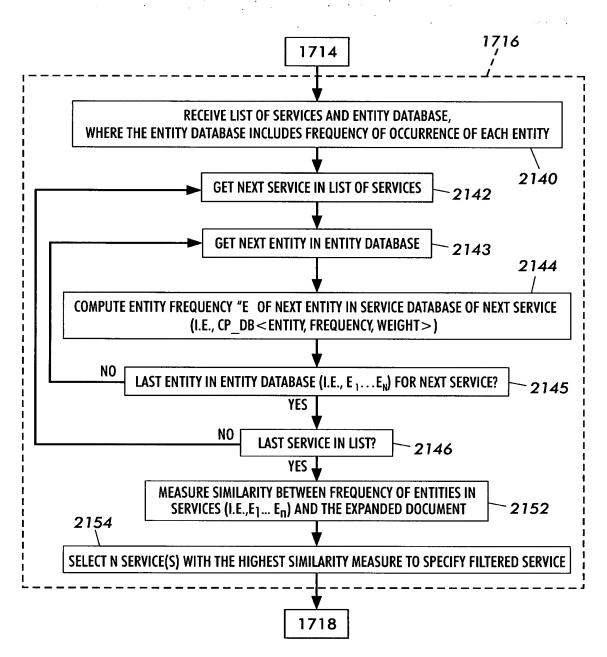


FIG. 21



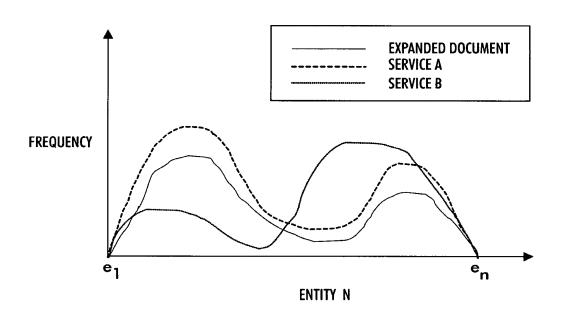


FIG. 22

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decision to the Anglesia



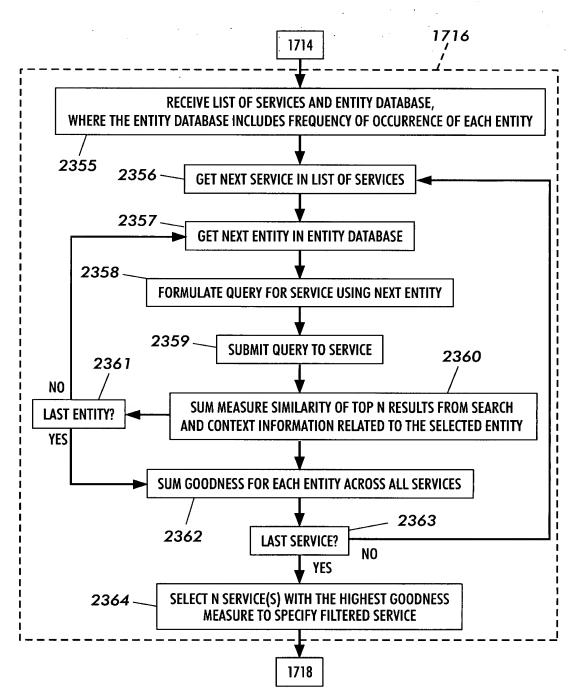


FIG. 23



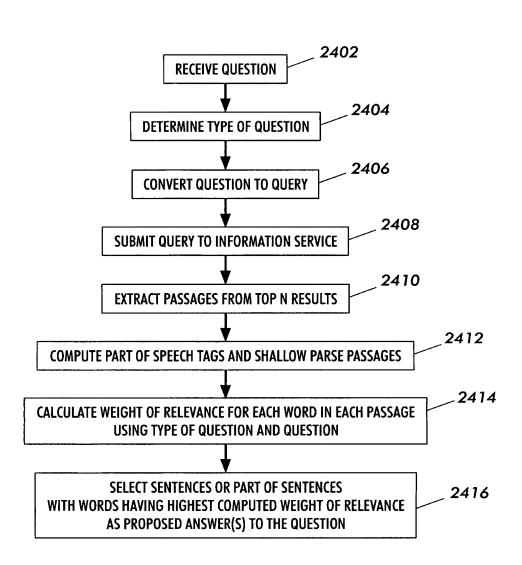


FIG. 24



		Ti	`, -, tes,	25)/6	59			
		•		1	ı	· · ·		- 1	•
2502	🗁 E-LEARNING SERVICES ASSOCIATED WITH E-LEARNING PERSONALITY	2504 SEL	2504 LINK WORDS OR MULTIWORD EXPRESSIONS FOUND IN THE DOCUMENT TO THEIR DEFINITIONS	2508 EINK WORDS OR MULTIWORD EXPRESSIONS FOUND IN THE DOCUMENT TO THEIR TRANSLATIONS	25.10 EINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO A TUTORIAL CONCERNING EACH TEXT UNIT	LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO AN EXPERT CONCERNING IDENTIFIED SUBJECTS	23 12 COURSE ABOUT IDENTIFIED SUBJECTS TO AN INTERACTIVE COURSE ABOUT IDENTIFIED SUBJECTS	LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO A LIST OF REAL WORLD CLASSES ABOUT IDENTIFIED SUBJECTS	23 19 LINK TEXT UNITS TO (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) LEARNING RESOURCES CONCERNING EACH TEXT UNITS

FIG. 25



FIG. 26



27/69

The second

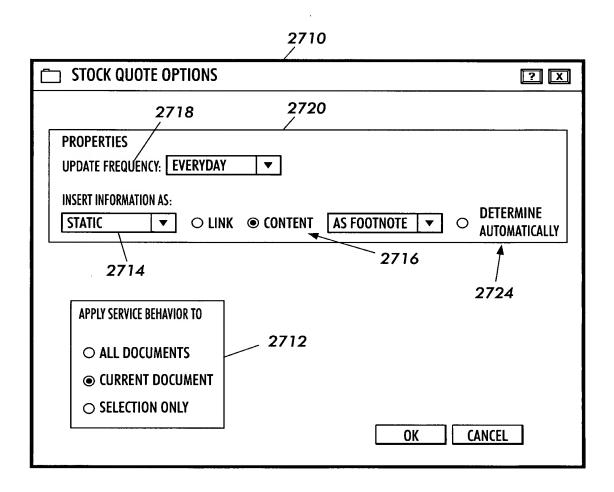


FIG. 27



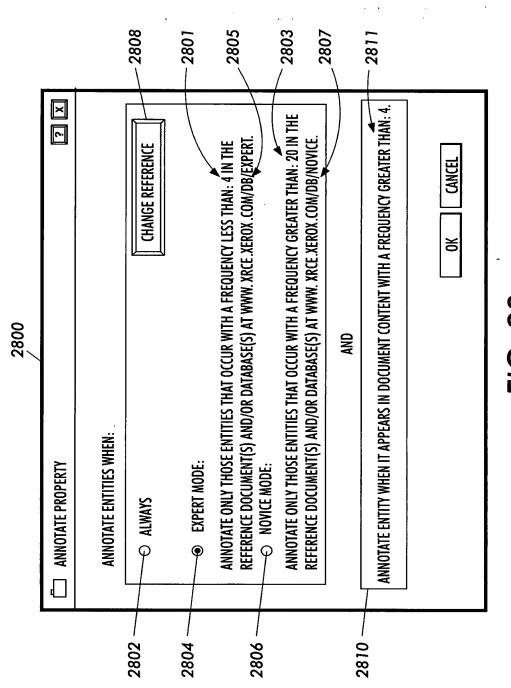


FIG. 28

Same of the state of the state of



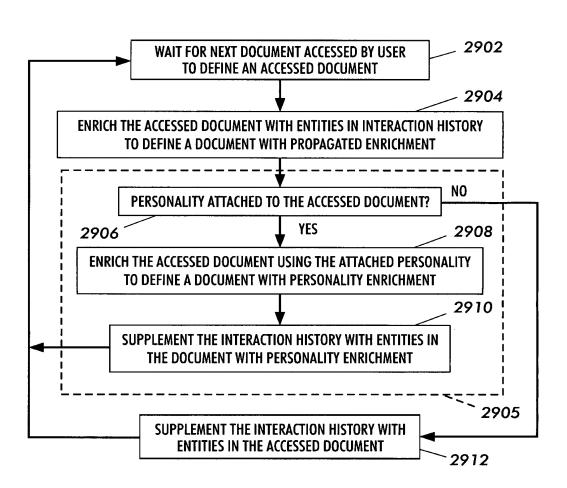


FIG. 29



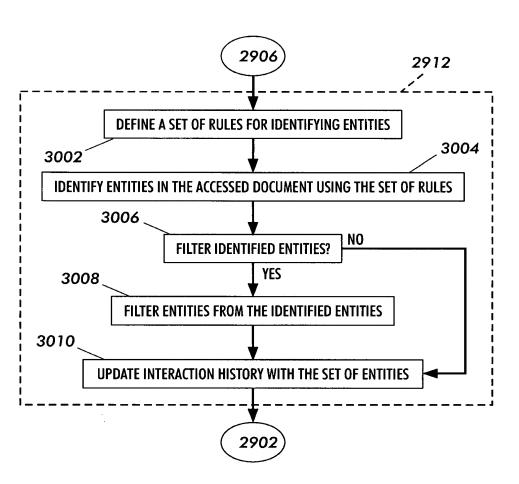
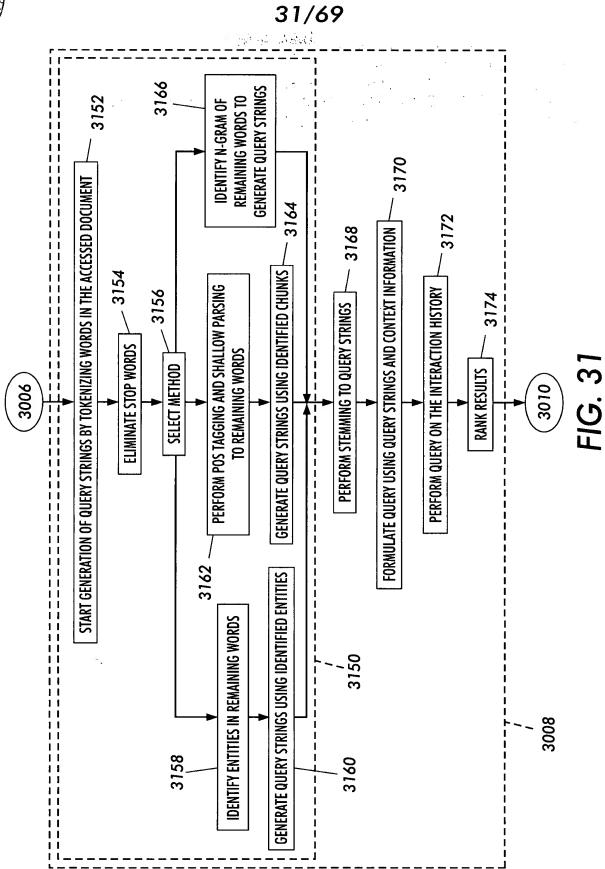
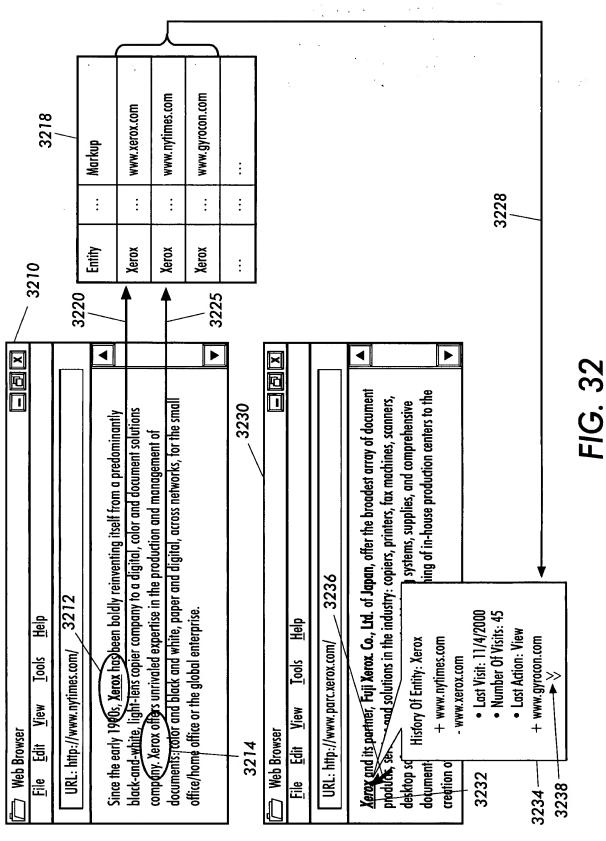


FIG. 30







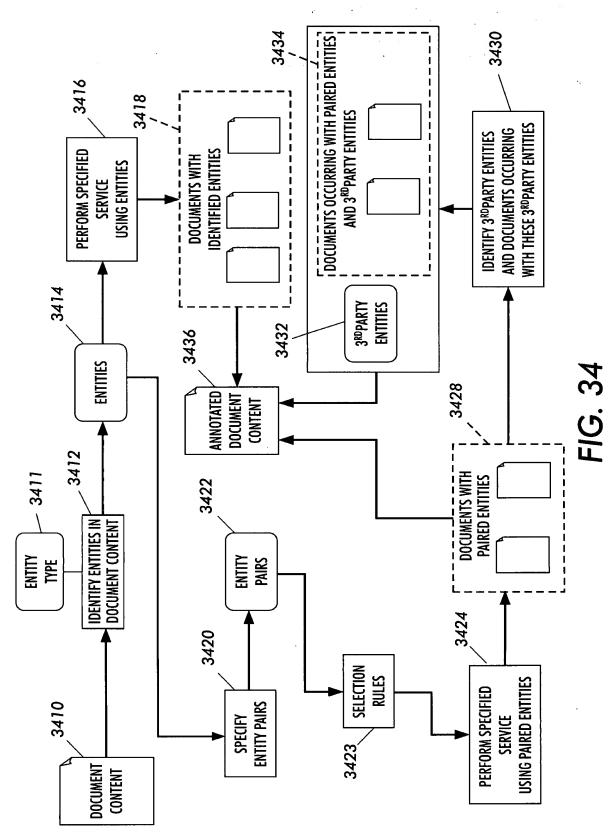


3218

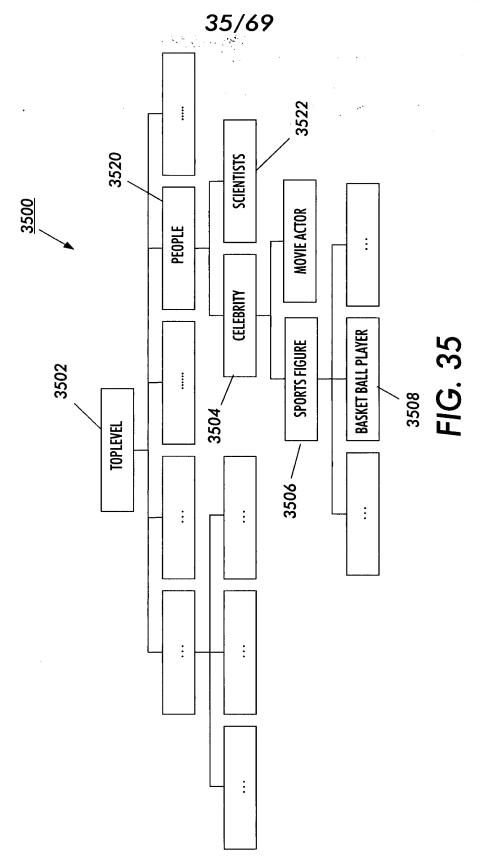
,	WC	WO).	N.COM	
MARKUP	NOUN WWW.XEROX.COM	NOUN WWW.NYTIMES.COM	WWW.GYROCON.COM	•••
POS	NOON	NOON	NOON	:
LOCATION	40	689	343	
DM0Z Category	BUSINESS	FINANCE	COMPUTER	:
ACTION LIST	VIEW (43), PRINT(2)	VIEW(1)	EMAIL(1), VIEW(3)	•
TAST VISIT	11/4/2000	1007/1/5	1/22/2001	•••
VISITS	45	1	4	••
ENTITY TYPE VISITS LAST VISIT	BUSINESS	BUSINESS	BUSINESS	
ENTITY	XEROX	XEROX	XEROX	:

FIG. 33

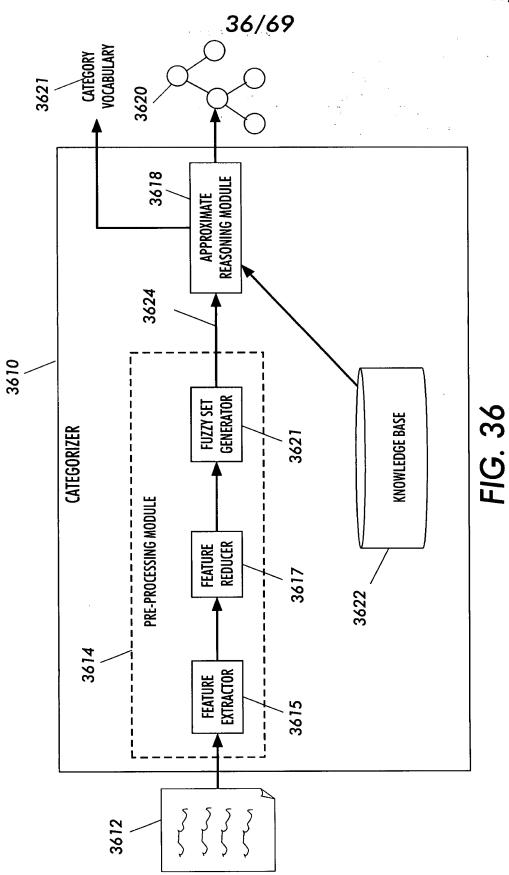


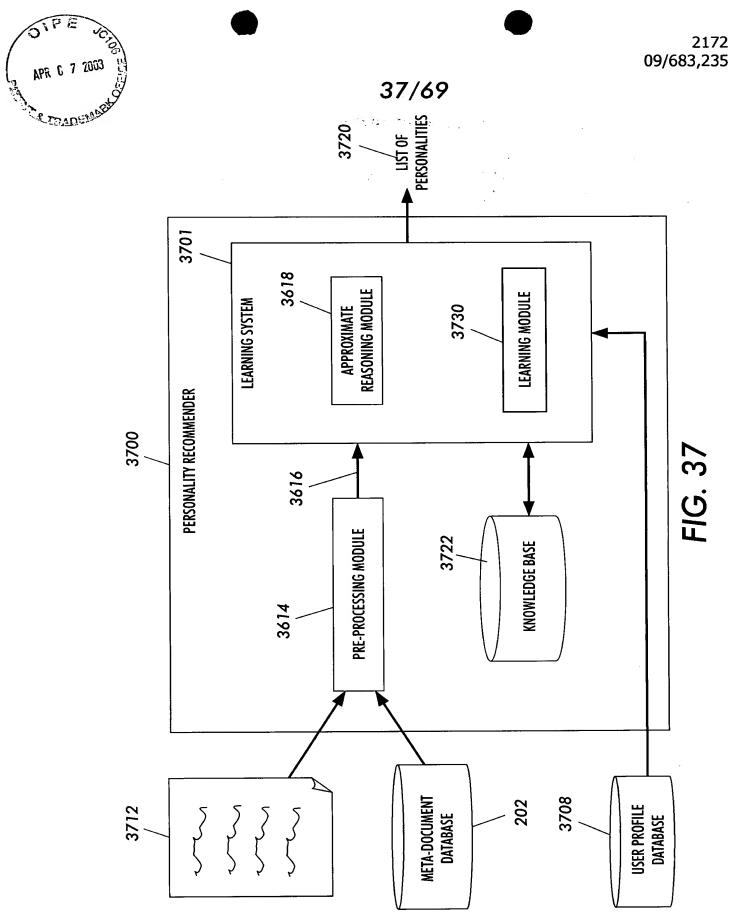






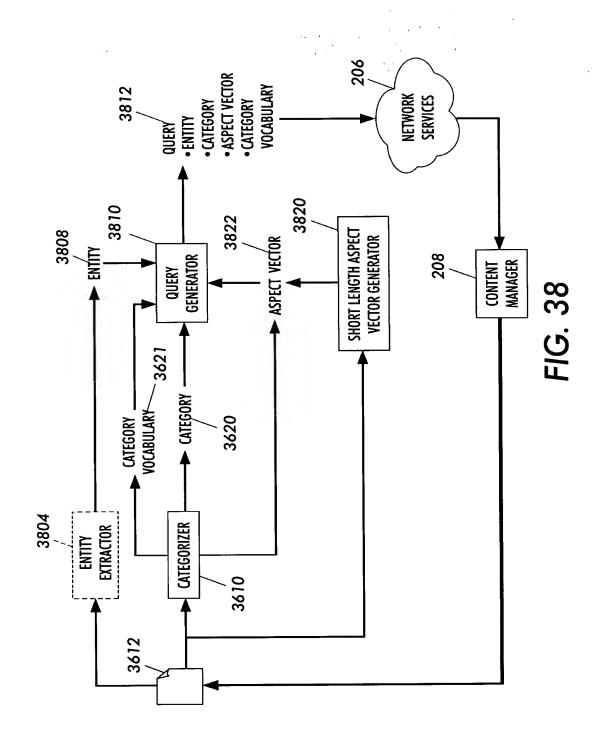




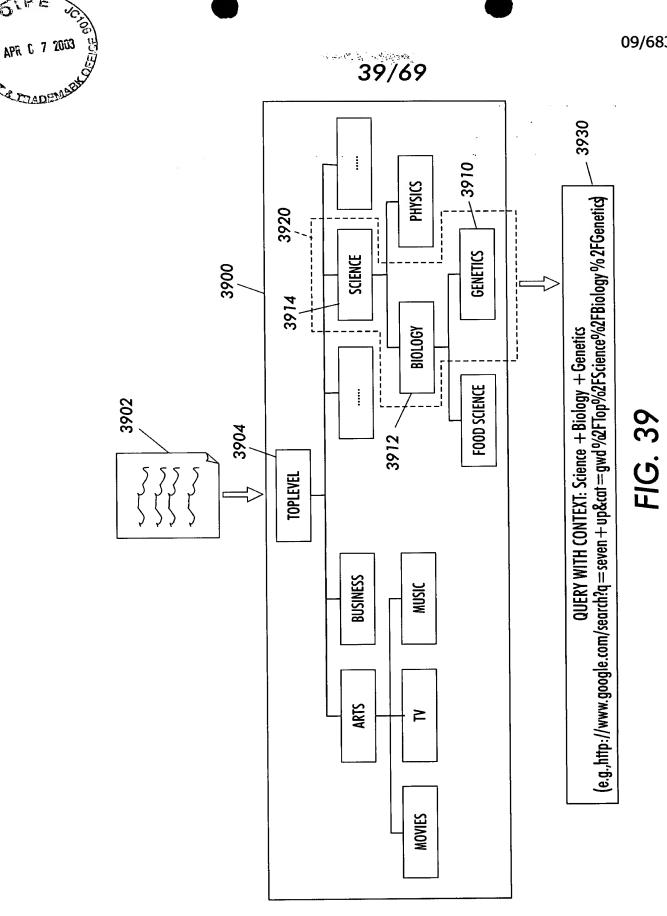








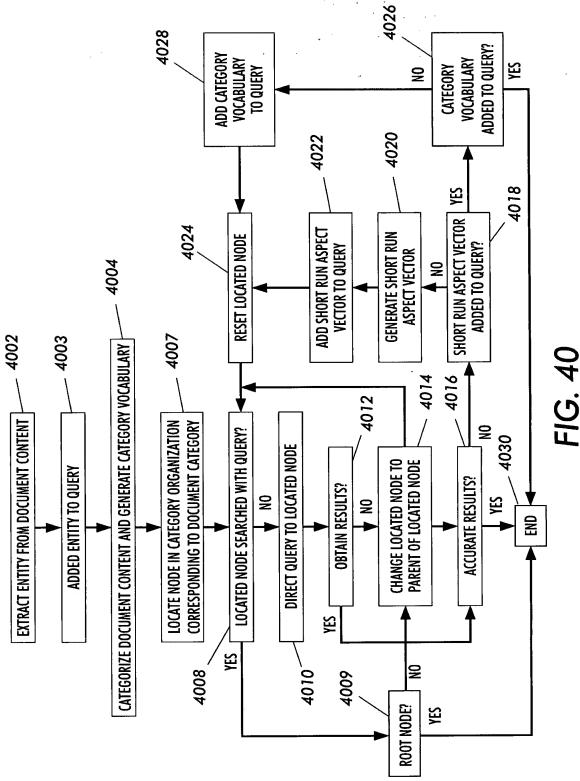
* ** * 25



STPE









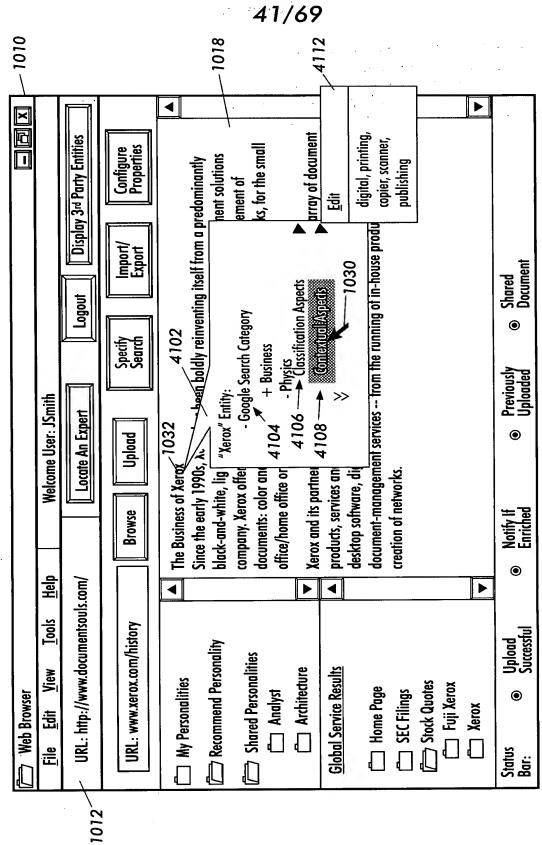
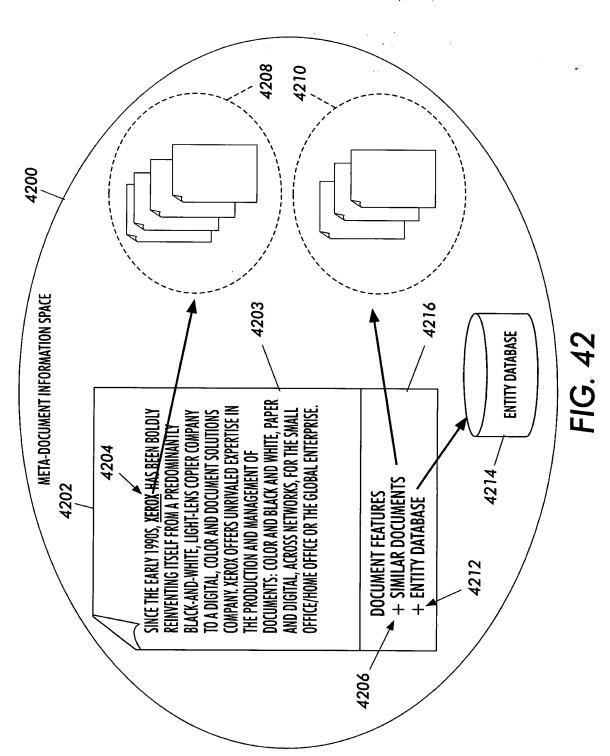


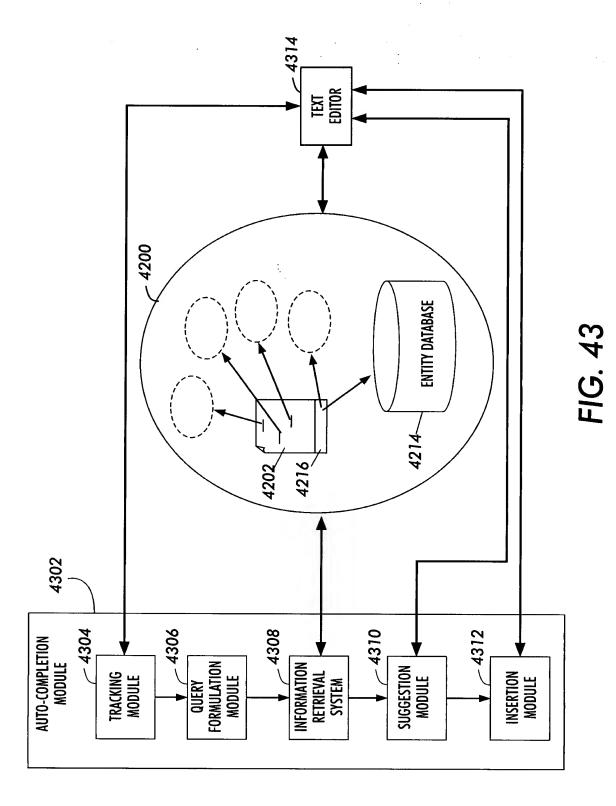
FIG. 41

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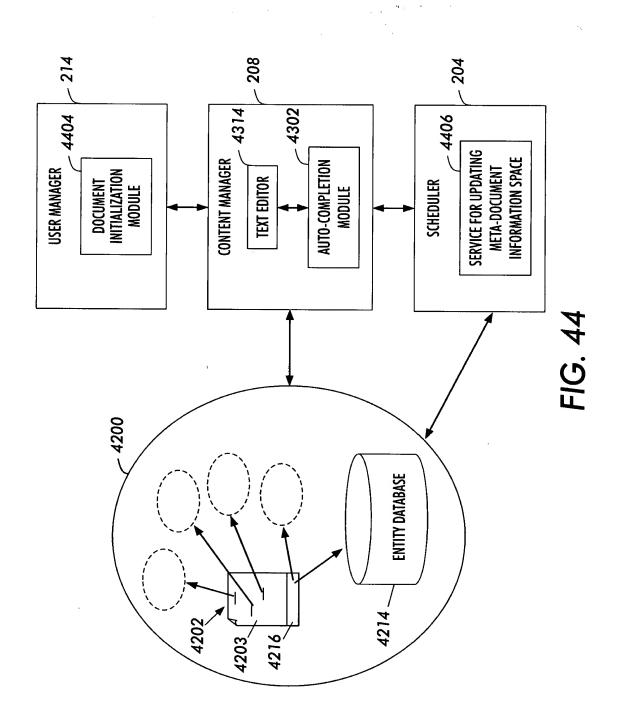














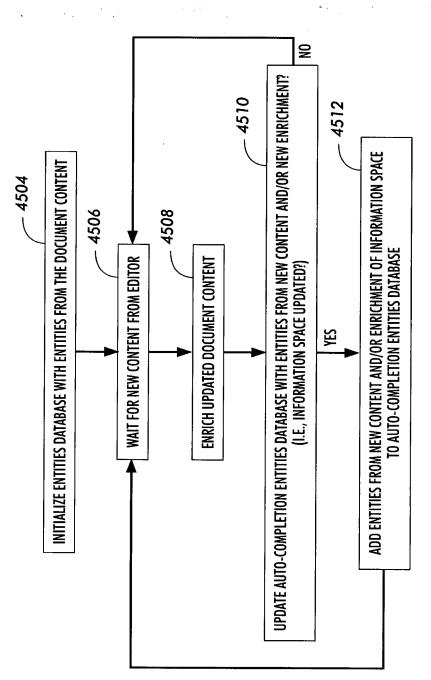


FIG. 45



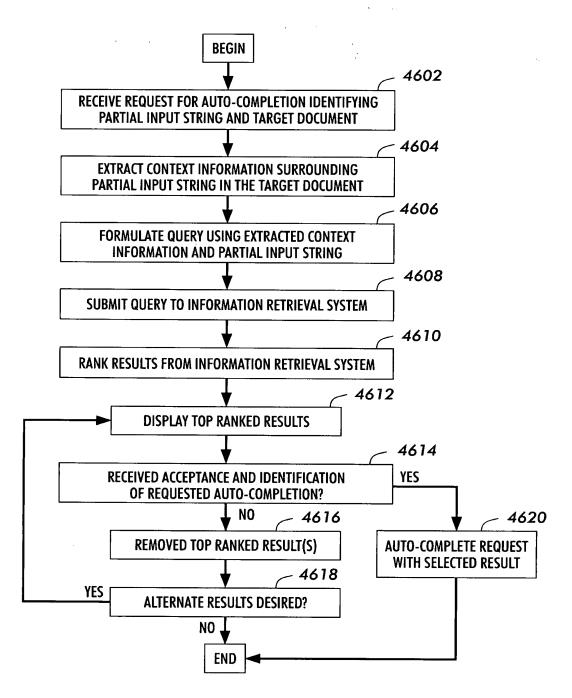
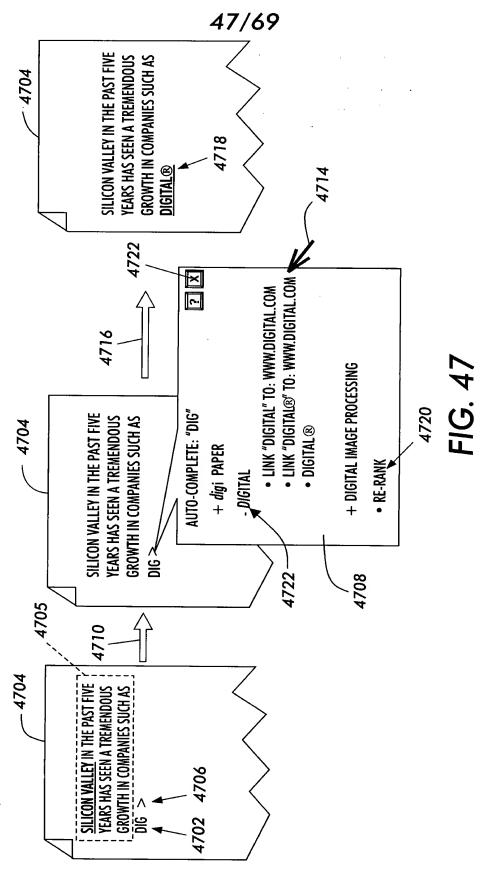


FIG. 46





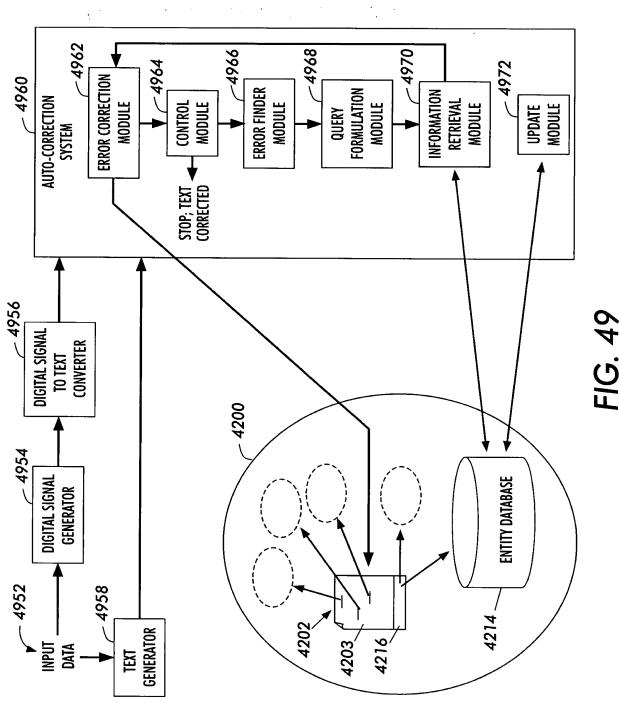


And the property of

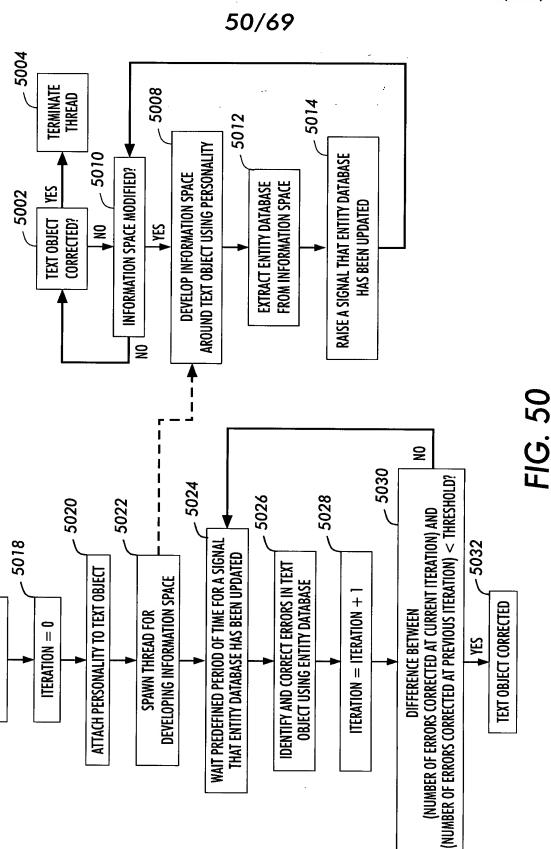
(A) KEY	(B) ENTITY	(C) MARKUP	(D) FORMAT	(E) ORIGIN	(F) ORIGIN Position	(G) PART OF (H) CONTEXT SPEECH	(H) CONTEXT
iis	Silicon Valley	www.siliconvalley.com	Capitalize	TARGET DOCUMENT CONTENT	_	Noun	Science
Dig	Digital	www.digital.com	®	ww.digital.com	434	Adjective	Science
Dig	DigiPaper	NONE	Bold	www.parc.xerox.com	23	Noun	Science
Dig	digress	NONE	NONE	www.nytimes.com	343	Verb	Politics
:	÷	:	:		:	:	

FIG. 48





RECEIVE TEXT OBJECT



Part of Section



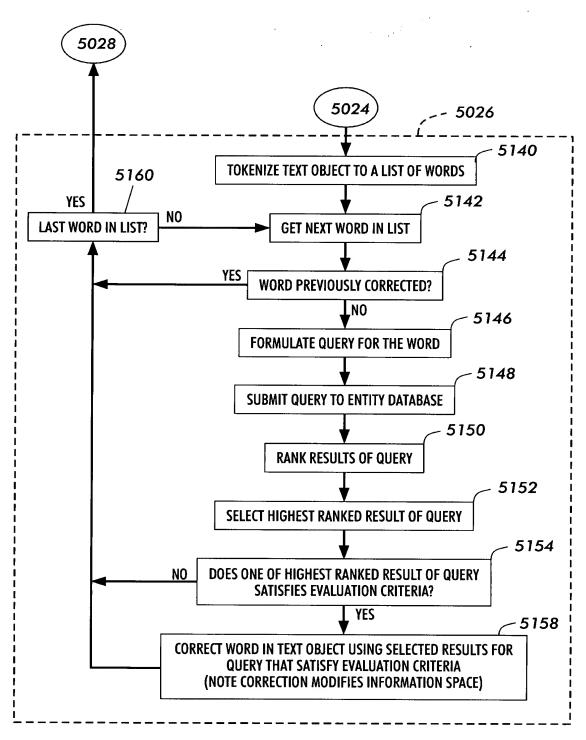


FIG. 51



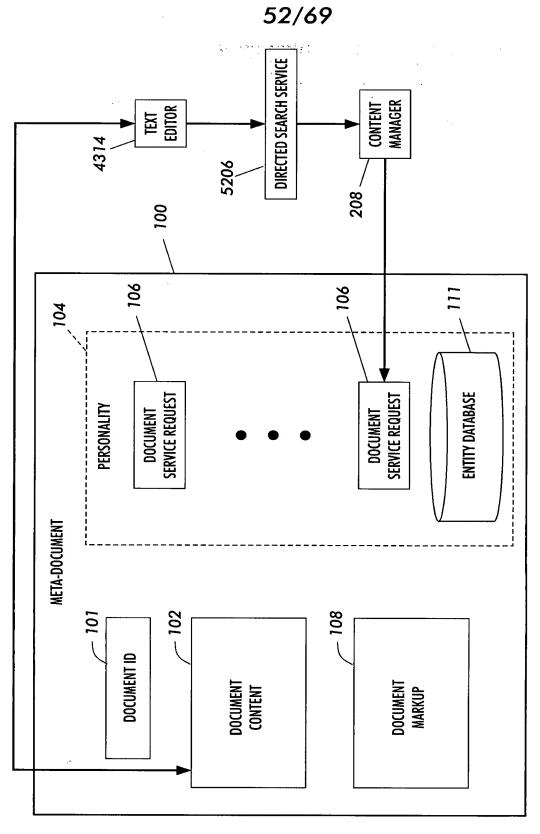
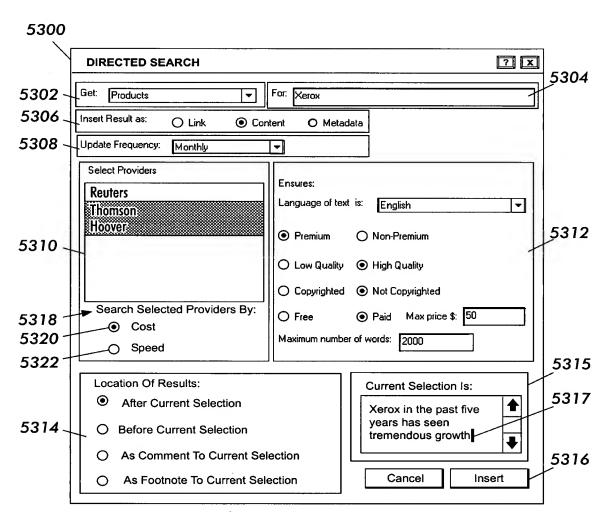


FIG. 52





Both to be the safety

FIG. 53



```
quality='Premium&High&Not-copyrighted&paid'
                                                                                                                                                                                                                                                                                                                                                                        cprovider name='Thomson' id=18>
                                                                                                                                                                                                                                                                                                                                                                                                           cprovider name='Reuters' id=19>/provider>
                                                                                                                                                                                                                                                                                                                                  <offsets>13 18 456 461 710 715</offsets>
                                                                        insert='Content'
                                                                                                                                                                                                                      maxwords='2000'
                                                                                                                                                                                                                                                            search='cost'>
<service id='Products'
                                                                                                          language='En'
                                                                                                                                                                                   maxprice='50'
                                   refresh=30
                                                                                                                                                                                                                                                                                               <entity>Xerox
                                                                                                                                                                                                                                                                                                                                                                                                                                               </entity>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   </service>
```

FIG. 54



5500	.74	* ************************************
IMPORT/EXPORT		? X
EXPORT NAME:	BROWSE	5502
EXPORT : ORIGINAL DOCUM DOCUMENT MARK PERSONALITIES	ENT CONTENT (UP (I.E., ENRICHMENT)	5506 ADVANCED EXPORT CONTROL 5504
O IMPORT NAME:	BROWSE	5508 5512
IMPORT: • ALL CONTENT • SELECTED CONTENT	T ONLY	BIND UN-MATCHED ELEMENTS
ORIGINAL DOC	UMENT CONTENT RKUP (I.E., ENRICHMENT)	ENHANCE BOUND ELEMENTS WITH EXISTING SERVICE PROVIDERS
		5510 5514
		OK CANCEL

FIG. 55



```
<docsouls:browsingdoc format="HTML">browse.html</docsouls:browsingdoc>
                                                                                                                                                                                                                                                                                                                                               <docsouls:originaldoc format="HTML">toto.html</docsouls:originaldoc>
                                      <docsouls:serverid> DS v1.0 server name </docsouls:serverid>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <!- LIST OF PERSONALITIES AND DOCUMENT SERVICE REQUESTS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <docsouls:personality id = " " name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <docsouls:service id="" name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <docsouls:provider name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <docsouls:provider name="" etc.>
                                                                                                                               <docsouls:docid> xxx </docsouls:docid>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <docsouls:service id="" name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <docsouls:provider name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <docsouls:provider name="" etc.>
                                                                                                                                                                       <docsouls:name> xxx </docsouls:name>
                                                                                                                                                                                                                                                                                                       <!-- ORIGINAL DOCUMENTS DOCUMENT CONTENT>
                                                                                                                                                                                                                   <docsouls:owner> xxx </docsouls:owner>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <!-- LIST OF SERVICE REQUESTS>
                                                                               <!- PROPERTIES OF DOCUMENT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                </docsouls:endowmentdescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <!-- LIST OF PERSONALITIES>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <docsouls:endowmentdescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            </docsouls:service>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <docsouls:personality>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       </docsouls:service>
<!- SERVER ID>
```

FIG. 56

San Description



```
<docsouls:servicestatus status="mapped" originalid="" originalserver="">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <!-- list ServerId if the service was not available on current server>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <!-- list all fields (e.g., "refresh period", category, etc.)>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <!-- list status of services (original, frozen, mapped, etc.)>
                                                                                                                                                <!-- all the fields AND service categories>
                                                                                                                                                                                                 <docsouls:servicecategory id="" name = "">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <docsouls:serverid>id</docsouls:serverid>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <!- DESCRIPTION OF DOCUMENT SERVICE REQUESTS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <docsouls:provider id="" name = ""><</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <!- NEXT SERVICE REQUESTS DESCRIPTION>
                                                                                                <docsouls:id> xx </docsouls:id>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <docsouls:id> xx </docsouls:id>
                                                                                                                                                                                                                                                   </docsouls: personalitydescription>
<!- DESCRIPTIONS OF PERSONALITIES>
                                                  <docsouls:personalitydescription>
                                                                                                                                                                                                                                                                                                                                               <!- NEXT PERSONALITY DESCRIPTION>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                </docsouls:servicedescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <!-- list all strategies>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     <docsouls:servicedescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <!-- list all providers>
```

FIG. 57

القرار لازنا فأتعرف وأأنفهم أهجاراهمأ

```
<!- OTHER RESULTS (E.G. KEYWORDS, CATEGORIES, ETC. >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <docsouls:content> xxx </docsouls:content>
                                                                                                                    <!-- all the fields e.g. key, URL, etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <docsouls:link> xxx </docsouls:link>
                                                                                                                                                                                                                                                                                                                                                                  <!-- all the fields, e.g. category>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <docsouls:globalservice id="Summary">
                                                                              <docsouls:id> xx </docsouls:id>
                                                                                                                                                                                                                                                                                                                              <docsouls:id> xx </docsouls:id>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <docsouls:id> xx </docsouls:id>
                                                                                                                                                                 </docsouls: providerdescription >
                                                                                                                                                                                                                                                                                                                                                                                                             </docsouls:dictionarydescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <!- RESULTS OF GLOBAL SERVICES >
                                                                                                                                                                                                                                                                                      <docsouls:dictionarydescription>
                                                                                                                                                                                                                                             <!- DESCRIPTION OF DICTIONARIES>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         </docsouls:strategydescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <docsouls:strategydescription>
                                          <docsouls:providerdescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <!-all the dictionaries>
<!- DESCRIPTION OF PROVIDERS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <!- DESCRIPTION OF STRATEGY>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         </docsouls:globalservice>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <!-all the fields>
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<!-- LIST OF OFFSETS WHERE ENTITY IS FOUND IN TEXT RELATIVE TO SECTION >
<!- (OPTIONAL) DESCRIPTION OF ENRICHMENT PERFORMED AT OTHER DOCUMENT ENRICHMENT</p>
                                                                                                                                       <docsouls:personalitydescription>...
                                                                                                                                                                                          <docsouls:servicedescription>...</docsouls:servicedescription>
                                                                                                                                                                                                                                                                                                                            <!- IDENTIFY DOCUMENT SECTION IN CASE OF MULTI-PART DOC>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <docsouls:normform>Xerox</docsouls:normform>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <!- STATUS OF SERVICE APPLIED ("ACTIVE" OR "FROZEN") >
                                                                                                                                                                                                                                                                                                                                                                               <docsouls:docpart>main frame.html</docsouls:docpart>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <docsouls:content> xxx </docsouls:content>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <docsouls:service id="StockQuote" status="active">
                                                                                                                                                                                                                                                                               (OPTIONAL) LIST OF RESULTS OF THE LAST ENRICHMENT >
                                                                                                                                                                                                                                                                                                                                                                                                                          <!- OFFSET WHEN ENRICHMENT APPLIES TO A SECTION>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <docsouls:strat> xxx </docsouls:strat>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <docsouls:offsets start=232 end=237 />
                                                                                             <docsouls:serverid>olderServerId</docsouls:serverid>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <docsouls:dict> xxx </docsouls:dict>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <docsouls:offset> 0 200 </docsouls:offset>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <!-- CONTENT INFORMATION >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <!-- LINK INFORMATION >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <!-- NORMALIZED FORM >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <!-- DICTIONARIES >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <!-- STRATEGIES >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <docsouls:entity>Xerox
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           </docsouls:entity>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <!-- NEXT ENTITY>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     </docsouls:service>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <!-- ENTITY>
                                                  SYSTEMS>
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FIG. 58B

or of the supplied the con-



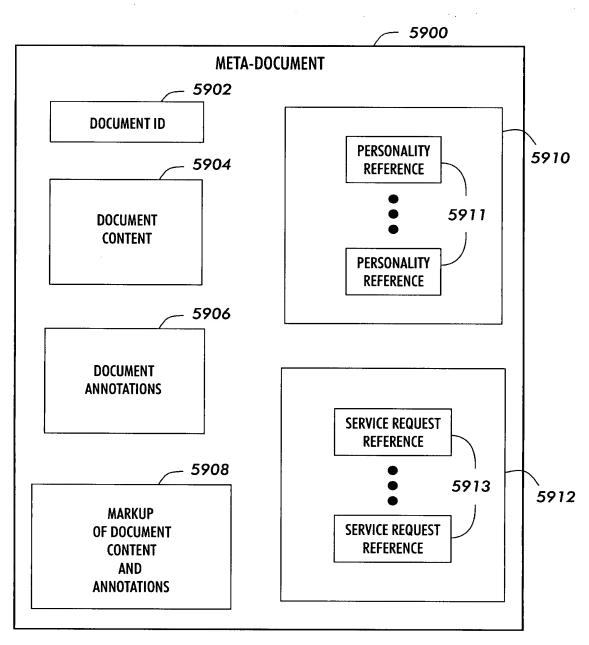


FIG. 59



 $\mathbf{r}_{i} = \mathbf{r}_{i} + \mathbf{r}_{i}$

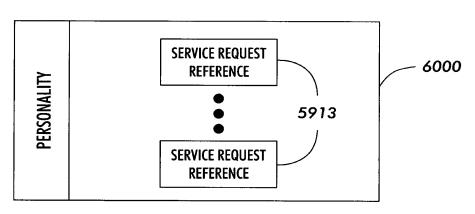


FIG. 60



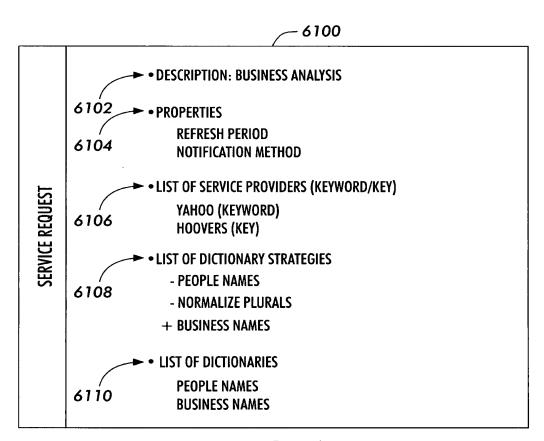


FIG. 61



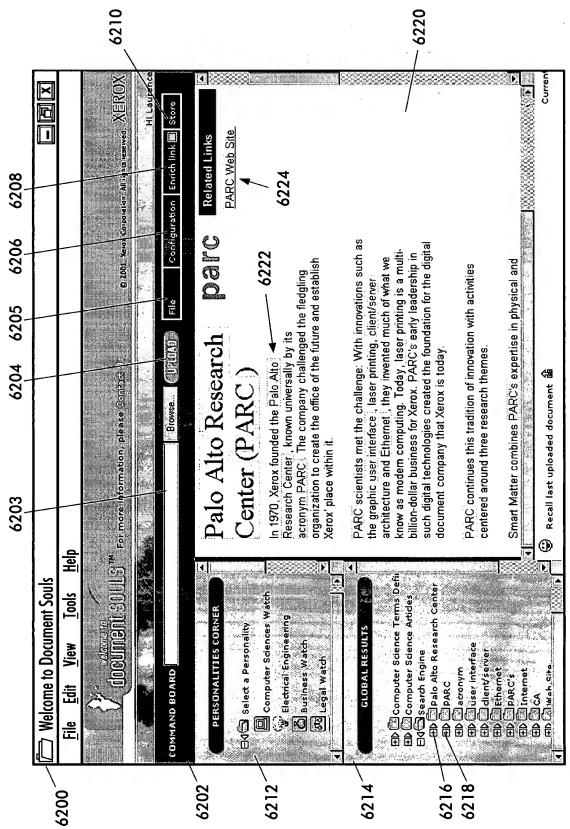


FIG. 62



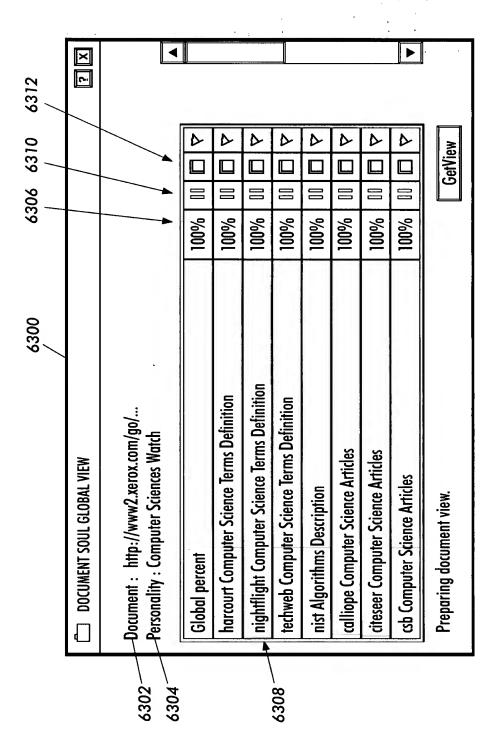
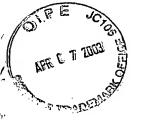


FIG. 63



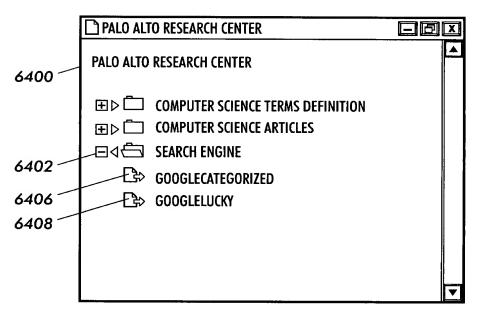


FIG. 64



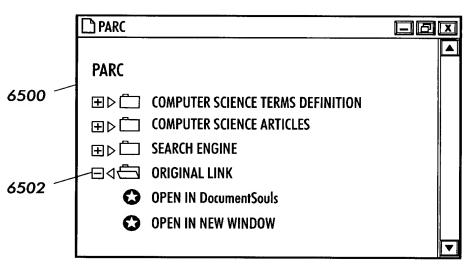
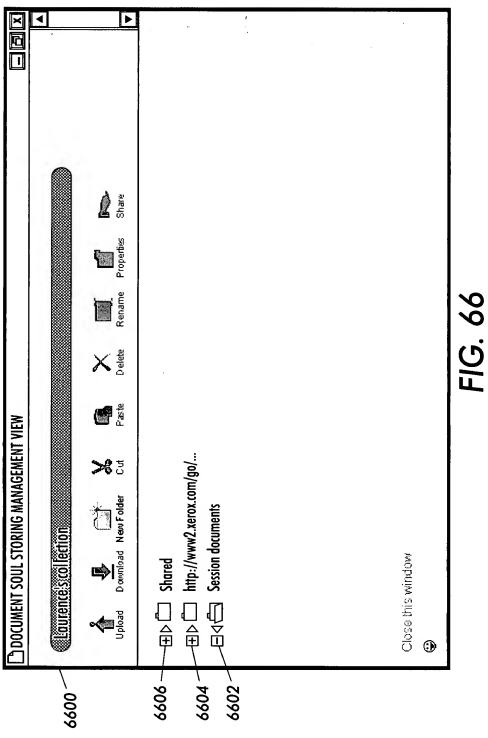


FIG. 65







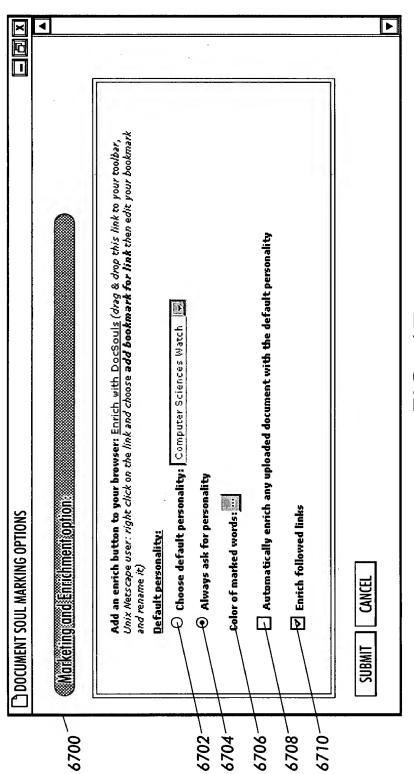


FIG. 67



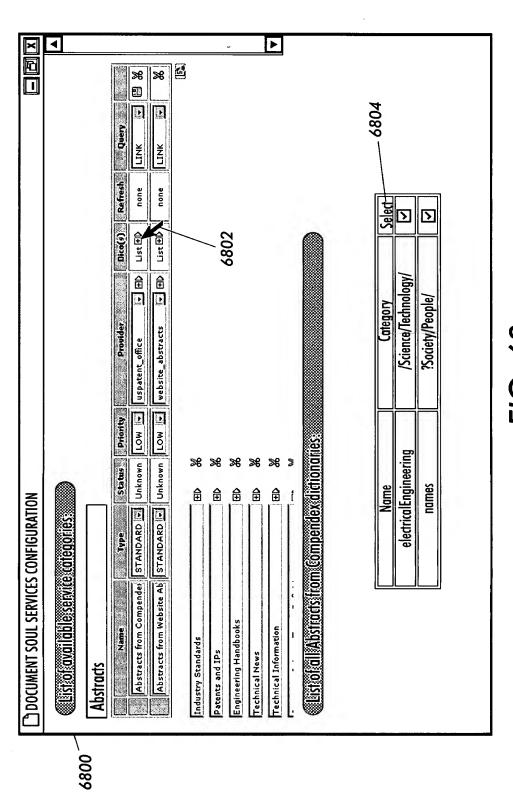


FIG. 68